

ROTATING ELECTRICAL MACHINE

Abstract of Disclosure

A number of embodiments of rotating electrical machines such as a DC brushless motor that are mounted in a housing arrangement that provides not only a bearing for the rotor but also a cavity in which a major portion of an associated machine having a rotating shaft associated with the DC machine is positioned. Thus, a more universal type of construction is possible that permits greater latitude in the associated equipment. Various arrangements for bearing support of the rotor and housing constructions are disclosed.

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Figures

Figure 1: A schematic diagram illustrating the experimental setup for measuring the time delay of a signal. The diagram shows a signal source (S) connected to a delay line (DL) and a detector (D). The signal source is connected to the delay line, which is connected to the detector. The delay line is labeled with a time delay τ . The signal source is labeled with a frequency f . The detector is labeled with a time delay τ_d . The diagram also shows a reference signal (R) connected to the detector. The reference signal is labeled with a time delay τ_r . The diagram is labeled with a time delay τ .